INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 03/01270

A. CLASSIFICATION OF SUBJECT MATTER IPC7: H02K 41/03, H02K 35/02, F02B 71/04 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched SE,DK,FI,NO classes as above Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPO-INTERNAL, WPI DATA, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Υ WO 0178218 A1 (ABB AB), 18 October 2001 (18.10.01), 1-29 page 9, line 27 - page 13, line 17, abstract US 6229238 B1 (MARKUS GRAEF), 5 August 2001 Y 1-29 (05.08.01), column 7, line 31 - line 39; column 7, line 57 - line 65, figure 10 A WO 0178219 A1 (ABB AB), 18 October 2001 (18.10.01), 1-29 abstract Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention **"**A" document defining the general state of the art which is not considered to be of particular relevance earlier application or patent but published on or after the international "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive filing date document which may throw doubts on priority claim(s) or which is step when the document is taken alone cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination "O" document referring to an oral disclosure, use, exhibition or other being obvious to a person skilled in the art document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 0 6 -11- 2003 30 October 2003 Name and mailing address of the ISA/ Authorized officer Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Irma Bornhede/MN Facsimile No. +46 8 666 02 86 Telephone No. +46 8 782 25 00

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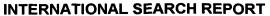
Category*	Citation of dominant with indication where appropriate of the relevant passages	Relevant to claim No
	Citation of document, with indication, where appropriate, of the relevant passages	Veiesaur ro ciami iso
A	US 5117142 A (SVANTE G.A. VON ZWEYGBERGK), 26 May 1992 (26.05.92), column 1, line 54 - column 2, line 57	1-29
A	US 5051641 A (HERBERT WEH), 24 Sept 1991 (24.09.91), abstract	1-29



Intractional application No.
PUT/SE 03/01270

06/09/03

	nt document search report		Publication date		Patent family member(s)		Publication date
WO	0178218	A1	18/10/01	AU	4701201	A	23/10/01
	01/010	•••	50, 50, 50	ÄÜ	4701301		23/10/01
				AU		A	31/01/01
				CA		A	04/01/01
				CZ		A	15/01/03
				CZ	20023308	A	12/02/03
				ΕP	1196672		17/04/02
				EP	1269610	A	02/01/03
				EP	1269611	A	02/01/03
				JP	2003503610	T	28/01/03
				NZ	516110	A	25/10/02
				SE	0001302	Α	08/10/01
				US	2003048018	A	13/03/03
				บร	2003048019	A	13/03/03
				WO	0178219	A	18/10/01
JS.	6229238	B1	05/08/01	DE	19818035	 A	28/10/99
				EP	0952657	Α	27/10/99
WO	0178219	A1	18/10/01	AU	4701201		23/10/01
				AU	4701301		23/10/01
				AU		A	31/01/01
				CA	2377960		04/01/01
				CZ	20023306		15/01/03
				CZ	20023308		12/02/03
				EP		A	17/04/02
				EP		A	02/01/03
				EP		A	02/01/03
				JP	2003503610	Ţ	28/01/03
				NZ		Ą	25/10/02
				SE	0001302		08/10/01
				US		À	13/03/03
				US		À	13/03/03
				WO	0178218	A 	18/10/01
US	5117142	A	26/05/92	SE	463061	B,C	01/10/90
				SE	8903876	ע	00/00/00



Information on patent family members

tional application No. 06/09/03 | PCT/SE 03/01270

Patent document cited in search report		Publication date	Patent family member(s)		Publication date	
US	5051641	A	24/09/91	AT DE DE EP	69676 T 3705089 A,C 3866350 A 0334901 A,B 0334901 T3	15/12/91 25/08/88 02/01/92 04/10/89
				SE ES WO	2006564 A 8806375 A	01/05/89 25/08/88